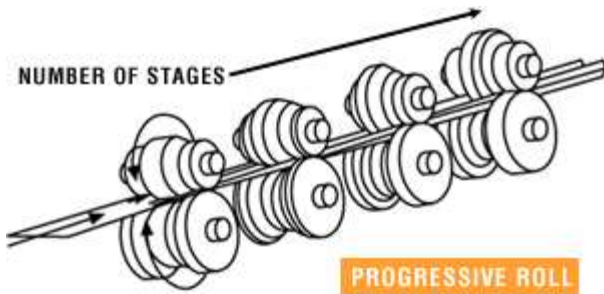


Fact Sheet – Roll Forming Process



- Roll Forming is a process by which flat coil strip is passed through a number of pairs of mated rollers.
- Each pair of rollers is designed to progressively develop a profile by predetermined shape changing increments.
- Therefore the final shape is created without losing the steel's integrity. In fact adding both strength and rigidity during the process.
- Roll Forming is a bending process and should not stress or stretch the metal. The thickness of the metal is not changed except for minimal thinning of the material at the bend radius.
- Roll Forming is a highly efficient production process capable of achieving very high tolerance control.
- It has the ability to produce very long continuous lengths without twisting or waving.
- Roll Forming machinery is ideally positioned to use the same setup across a range of different gauges and steel tensile.
- Most profiles allow a fair amount of customisation including automated punching, shearing and forming.
- There are two methods commonly used to cut parts as they are being roll formed.
 - Pre-cut Lengths then Roll Formed or
 - Post-cut after Roll Forming.
- A totally new profile project can be executed quite quickly even if a new cartridge is required

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